

Amendments to the Claims

The following listing of claims replaces all prior versions of the claims:

Listing of Claims:

1. (Currently Amended) A ~~communication protocol~~ method comprising:

a) ~~a sending application resident on a first computer system selecting a transport mechanism and~~

passing data having a first data type by a sending application resident on a first computer system to a first utility program resident on said first computer system;

b) adding to said data, by said first utility program, adding a token, a first category type identifier corresponding to said first data type, and a first data type identifier corresponding to said first data type, ~~to said data~~ to form an information packet including said token, said first category type identifier, said first data type identifier, and said data; and then, transparent to said sending application,

using, by said first utility program, said a transport mechanism to transmit said information packet to a second computer system;

e) using, by a second utility program[[,]] resident on said second computer system, ~~using~~ said token to locate said first data type identifier and said first category type identifier in said information packet;

d) indexing, by said second utility program, ~~indexing~~ a relevant one of a plurality of category types ~~corresponding to said first category type identifier~~ of an application registry with said first data type identifier to determine a destination application that is associated with said first data type identifier; and

e) supplying said packet to said destination application.

2. (Currently Amended) The method of claim A ~~communication protocol as described in Claim 1~~ wherein said first computer system and said second computer system are portable computer systems.

3. (Currently Amended) The method of claim A ~~communication protocol as described in Claim 1~~ wherein said first computer system and said second computer system are hand-held portable computer systems.

4. (Currently Amended) The method of claim A ~~communication protocol as described in Claim 1~~ wherein said transport mechanism is substantially compliant with the a Short Messaging Service (SMS) standard.

5. (Currently Amended) The method of claim A ~~communication protocol as described in Claim 1~~ wherein said transport mechanism includes the use of a GSM wireless communication device.

6. (Currently Amended) The method of claim A ~~communication protocol as described in Claim 1~~ wherein said plurality of category types comprise: an Extension category[[:]], a MIME type category and an Application Creator category.

7. (Currently Amended) The method of claim A ~~communication protocol as described in Claim 6~~ wherein said first category type identifier is a numeric value.

8. (Currently Amended) The method of claim 1, wherein said a transport mechanism is
~~A transport-independent communication protocol between computer systems comprising:~~

a) a sending application resident on a first computer system selecting a wireless transport mechanism and passing data having a given data type to a first utility program resident on said first computer system;

b) said first utility program adding a token, a first category type identifier corresponding to said given data type, and a first data type identifier corresponding to said given data type, to said data to form an information packet and then, transparent to said sending application, using said wireless transport mechanism to transmit said information packet to a second computer system;

—— c) a second utility program, resident on said second portable computer system, using said token to locate said first data type identifier and said first category type identifier in said information packet;

—— d) said second utility program indexing a relevant one of a plurality of category types corresponding to said first category type identifier of said application registry with said first data type identifier to determine a destination application that is associated with said first data type identifier; and

—— e) supplying said data packet to said destination application.

9. (Currently Amended) The method of claim A communication protocol as described in ~~Claim~~ 8 wherein said first portable computer system and said second portable computer system are hand-held portable computer systems.

10. (Currently Amended) The method of claim A communication protocol as described in ~~Claim~~ 8 wherein said wireless transport mechanism is substantially compliant with the Short Messaging Service (SMS) standard.

11. (Currently Amended) ~~The method of claim A communication protocol as described in Claim 10~~ wherein said wireless transport mechanism includes ~~[[the]]~~ use of a GSM wireless communication device.

12. (Currently Amended) ~~The method of claim A communication protocol as described in Claim 8~~ wherein each of a plurality of category type identifiers is a unique numeric value.

13-22. (Canceled)

23. (Currently Amended) A machine-readable medium comprising instructions for a processor, such that when the instructions are loaded into a memory and executed by the processor, the processor performs a method, the machine-readable medium comprising:
instructions for a sending application, the instructions for the sending application comprising instructions for passing to select a transport mechanism and pass data having a first data type to a first utility program resident on a same processing device as the sending application;

instructions for ~~adding, by~~ the first utility program, the instructions for the first utility program comprising:

instructions for adding to the data passed by the sending application a token, a first category type identifier corresponding to the first data type, and a first data type identifier corresponding to the first data type, ~~to the data to~~ thereby form an information packet including the data, the token, the first category type identifier, and the first data type identifier, and,

~~transparent to the sending application,~~ instructions for using [[the]] a transport mechanism to transmit the information packet to a second processing device;

instructions for a second utility program, the instructions for the second utility program comprising:

instructions for locating to locate a second data type identifier and a second category type identifier in a received information packet from a third processing device based on first locating a second token in the received information packet[:],
and

instructions for ~~the second utility program to index~~ indexing a relevant one of a plurality of category types ~~corresponding to the second category type identifier~~ of a registry with the second data type identifier to determine a destination application associated with the second data type identifier; and

instructions for supplying data included in the ~~second~~ received information packet to the destination application.

24. (New) A communication system comprising:

a first processing system comprising a first processor, a first memory, and a first bus connecting the first processor and the first memory; and

a second processing system comprising a second processor, a second memory, and a second bus connecting the second processor and the second memory, wherein:

the first memory comprises a sending application and a first utility program,

the second memory comprises an application registry and a second utility program,

the sending application is configured to pass data having a first data type to the first utility program,

the first utility program is configured to receive the data from the sending application and add, thereto, a token, a first category type identifier corresponding to the first data type, and a first data type identifier corresponding to the first data type, thereby forming an

information packet, the first utility program being further configured to send the information packet to the second processing system,

the application registry comprises a mapping of each of a plurality of data type identifiers to one of a plurality of applications of the second processing system registered for each of a plurality of data types, the plurality of data types being organized by a plurality of category types, and

the second utility program is configured to use the token to locate the first data type identifier and the first category type identifier in the information packet sent by the first utility program of the first processing system and to index a relevant one of a plurality of category types of the application registry with the first data type identifier to determine a destination application of the plurality of applications associated with the first data type identifier.

25. (New) The communication system of claim 24, wherein the first processing system and the second processing system are portable processing systems.

26. (New) The communication system of claim 24, wherein the first processing system and a second processing system are hand-held portable computer systems.

27. (New) The communication system of claim 24, wherein the first processing system and the second processing system are configured to communicate via a transport mechanism that is substantially compliant with a Short Messaging Service (SMS) standard.

28. (New) The communication system of claim 24, wherein the first processing system and the second processing system are each configured to communicate via a respective GSM wireless communication device.

29. (New) The communication system of claim 24, wherein the plurality of category types comprise: and Extension category, a MIME type category and an Application Creator category.